

Moderators/Topics (Residencies in alphabetical order)

9:00-12:00 am: Visiting Professor and Resident Alumni Speakers

Visiting Professor: Mike Berend, MD

Midwest Center for Joint Replacement.
Center for Hip and Knee Surgery
Joint Replacement Surgeons of Indiana Research Foundation.

Partial Knee Replacement: A Gateway to Outpatient Joint Replacement.

1. Understand indications for PKA vs TKA
2. Contrast PKA vs TKA risks and benefits
3. Understand the future of outpatient joint arthroplasty procedures.

Resident Alumni Speakers:

- 1) Ken Urish, MD PhD (Penn State alumnus, Assistant Professor, Dept of Orthopaedics, University of Pittsburgh) ***Trunion Corrosion in Total Hip Arthroplasty***
 - a. To understand basic science of corrosion
 - b. To learn how to diagnose corrosion
 - c. To learn how to manage corrosion
- 2) Tyler Noble, DO (Wellspring alumnus, Adult Reconstruction Fellow, Florida Orthopaedic Institute, Tampa, FL) ***The Effects of Fan Speed, Waist Tightness and Gloving Technique on Fluorescent Particle Egress at the Gown-Glove Interface While Utilizing a Modern Surgical Toga System***
 - a. Review current literature on the use of fluorescent particle technology in the detection of contamination of modern surgical toga systems.
 - b. Discuss the shortcomings of the airflow design of a modern surgical toga system.
 - c. Identify which modifiable factors may lead to increased risk of contamination at the surgical gown-glove interface
- 3) Jeff Lutton, MD (Geisinger alumnus, Summit Orthopedic Group, Chambersburg, PA) ***My experience converting to Direct Anterior THA in a Community Hospital***
 - a. To review direct anterior approach and current literature supporting its use
 - b. To understand challenges and pitfalls of this surgical approach in this setting
 - c. To learn techniques to obtain optimal results with this technique

12:00-12:30 LUNCH

12:30-2:30 Geisinger and Hershey

Geisinger: Dave Kolessar, MD (Chief of Hip and Knee Arthroplasty), Moderator

1) Dave Kolessar, MD ***The Spectrum of Tibial Reconstructive Options in Revision Knee Arthroplasty***

1. Describe bone loss classification in revision total knee arthroplasty (TKA).
2. Describe surgical treatment options for revision TKA with bone loss.
3. Discussed success and failure rates with reconstructive techniques of tibial revision in TKA.

2) James Murphy, MD ***Orthopaedic Salvage in Total Joint Arthroplasty: When Enough is Enough.***

1. Determine when a hip or knee becomes un-reconstructable
2. Describe techniques for Girdlestone Arthroplasty, Knee Fusion and Above Knee Amputation
3. Learn a basic understanding of outcomes from these salvage procedures.

Hershey: Mark Mason, MD (Asst Prof., Dept of Orthopaedics and Rehabilitation) Moderator

- 1) Richard Swenson, MD (Chief Resident HMC) ***Risk factors for failure of treatment of periprosthetic hip and knee infections less than four weeks duration (Acute postop and Acute hematogenous)***
 - a. Describe the mechanisms for innate antibiotic resistance in biofilms
 - b. Understand the reported success rate for acute I&D with polyethylene exchange
 - c. Recognize the potential harm in failed I&D with polyethylene exchange
 - d. Identify published risk factors for Implant retention failure
- 2) Natalie Vaughn, MD (PGY3) ***Measuring Patient Activity Levels at home before and after TJA***
- 3) Jacob Liechty BS, (Medical Student) ***The relationship between acetabular component position and degenerative lumbar scoliosis.***
- 4) Landon Brown, MD, (PGY5) ***Post-operative continuous adductor canal catheters for pain control in TKA.***

2:30-3:00 Refreshments, Break

3:00-5:00 Pinnacle, Wellspan, Community Speaker

Pinnacle: Ron Lippe, MD (Chairman, Department of Orthopaedics), Moderator

- 1) Ron Lippe, MD ***Total Knee Replacements: I am doing them wrong.***
 - a. to understand the principles of kinematic alignment
 - b. to understand the successes of custom cutting guides for kinematic alignment and the problems with traditional knee replacement alignment principles
 - c. to understand potential opportunities to incorporate the successes of the custom cutting guides for kinematic alignment into future knee designs and surgical techniques
- 2) Tyson Maugle, D.O. ***OR time differences with spinal anesthetic and intraarticular cocktail vs. general anesthetic in TKR***
 - a. To understand the use of and advantages of spinal anesthetic with intra articular cocktails
 - b. To understand the time differences in OR turnover time
 - c. To understand the change in length of stay with spinal anesthetics and intra articular cocktails
- 3) Charles Claps, D.O. (transfusion rates with the addition of TXA)

Wellspan: David Maish, MD (Department of Orthopaedics), Moderator

- 1) Eric Jackson, DO (Chief Resident, Wellspan Orthopaedics) ***Anemia prophylaxis in TKA 2016 with preliminary report from RCT use of Aquamantys***
 - a. To review current strategies to prevent allogeneic transfusion
 - b. To learn about cost efficacy of Aquamantys when using tranexamic acid
 - c. To learn about the effect of Aquamantys on speed of recovery in terms of range of motion
- 2) Judy Kopinski, MD. (Wellspan Orthopedics) ***DDH/PAO***
 - a. Learning objectives TBA

Community Speaker:

Jay Phillips, MD. **Surgical decision making in nonarthritic hip**

1. Interpreting radiographs
2. Physical examination of the nonarthritic hip

3. Surgical decision making

5:00-5:05 Awards

Visiting Professor Appreciation

Outstanding Resident Presentation

Group picture of presenters